

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A method of providing assertions comprising the steps of:
 - selling a pool of unallocated time;
 - upon request, generating an assertion between a name and a public key, the assertion having a lifetime and subtracting the lifetime from the unallocated time; and
 - upon request, revoking an assertion and adding any remaining lifetime of the assertion to the unallocated time.
2. (Original) The method of claim 1 comprising the further step of eroding unallocated time over time.
3. (Original) A system for managing assertions between names and public keys, the system comprising:
 - a repository containing an unallocated time, the unallocated time indicating an amount of time available for assertions;
 - a purchase component adapted to add a requested bulk lifetime to the unallocated time;
 - a request component adapted to, upon generation of an assertion having a requested lifetime, deduct the requested lifetime from the unallocated time; and
 - a revocation component adapted to, upon revocation of an assertion having a remaining lifetime, add the remaining lifetime to the unallocated time.

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4. (Original) The system of claim 3 wherein each assertion is a public key certificate.
5. (Original) The system of claim 3 further adapted to:

monitor when the unallocated time falls below a threshold, and

notify a user associated with the unallocated time if the unallocated time falls below the threshold.
6. (Original) The system of claim 3 wherein the request component determines whether the requested lifetime is greater than the unallocated time, and if the requested lifetime is greater than the unallocated time, presents the user with a set of options for remedying the insufficiency of the unallocated time.
7. (Original) A processing platform implemented method of processing a request for an assertion between a name and a public key, the method comprising the steps of:

maintaining an unallocated time, the unallocated time being time available for assertions;

accepting a request for an assertion and a requested lifetime;

determining whether the unallocated time is greater than or equal to the requested lifetime; and

upon determining that the unallocated time is greater than or equal to the requested lifetime, deducting the requested lifetime from the unallocated time.
8. (Original) The method of claim 7 comprising the further step of forwarding the request for an assertion to an entity responsible for generating assertions.
9. (Original) The method of claim 7 wherein the assertion is a public key certificate.
10. (Original) The method of claim 7 comprising the further step of eroding the unallocated time over time.

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11. (Original) A processing platform implemented method of processing a request for revocation of an assertion between a name and a public key, the method comprising the steps of:

maintaining an unallocated time, the unallocated time being time available for assertions;

identifying an assertion to be revoked, the assertion having a remaining lifetime; and

adding the remaining lifetime to the unallocated time.

12. (Original) The method of claim 11 wherein the assertion is a public key certificate.

13. (Original) A memory for storing data for access by an application program being executed on a data processing system, comprising:

a data structure stored in the memory, the data structure including information resident in a database used by the application program and including at least one entry, each entry including:

an account identification field which identifies an account;

a user identification field which provides access control to the account; and

an unallocated time field which identifies an amount of time available to the account for allocation to assertions between names and public keys.

14. (Original) An article of manufacture comprising a computer-readable storage medium, the computer-readable storage medium containing instructions for:

generating an entry in a repository, the entry including an unallocated time;

receiving a request for a purchase of bulk lifetime;

adding the bulk lifetime to the unallocated time, in the event that a request for a purchase of bulk lifetime is received;

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receiving a request for an assertion and a requested lifetime, the assertion being between a name and a public key;

deducting the requested lifetime from the unallocated time, in the event that a request for an assertion is received;

receiving an identification of an assertion to be revoked, the assertion having a remaining lifetime; and

adding the remaining lifetime to the unallocated time, in the event that an identification of an assertion to be revoked is received.

15. (Currently amended) A system for allocating assertions comprising:

means for allocating a pool of unallocated time available for assertion validity;

means for processing a request for an assertion between a name and a public key, the assertion having a lifetime, the means for processing the request subtracting the lifetime from the unallocated time; and

means for processing a revocation of an existing assertion by determining any remaining lifetime of the existing assertion and adding at least a portion of the remaining lifetime of the assertion to the unallocated time.

16. (Currently amended) The system of claim 15 further comprising:

means for monitoring when the unallocated time falls below a threshold, and for notifying a user associated with the unallocated time if the unallocated time falls below the threshold.

17. (New) A computer readable medium having instructions stored thereon for execution on a processing platform to execute the method of claim 1.

18. (New) A computer readable medium having instructions stored thereon for execution on a processing platform to execute the method of claim 2.

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19. (New) A computer readable medium having instructions stored thereon for execution on a processing platform to execute the method of claim 7.

20. (New) A computer readable medium having instructions stored thereon for execution on a processing platform to execute the method of claim 9.

21. (New) A computer readable medium having instructions stored thereon for execution on a processing platform to execute the method of claim 10.